

Product designation

Product type designation

General characteristics

Operating voltage range

Operating frequency range

Peak inverse voltage (PIV)

Number of controlled phases

Rated voltage

Rated frequency

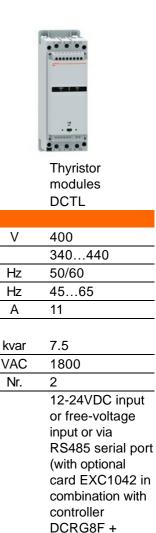
Rated current (Ie)

Step power at

Control circuit

Sensor type

THYRISTOR MODULE, 7.5KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH CURRENT CONTROL



EXP1012)

400VAC

Auxiliary	supply		
Rated a	uxiliarv sur	oply voltage	Us

Rated auxiliary suppl	ly voltage l	Js
	AC	

	min	VAC	100
	Max	VAC	240
Auxiliary rated frequency		Hz	50/60
Power consumption Max		VA	11.8
Power dissipation Max		W	4.6
Control input			
Terminals			CONTROL +/-
Rated voltage			12-24VDC
Operating range			830VDC
Digital inputs			
Terminals			C-IN1
Applied voltage at contact (internal)			5VDC
Input current		mΑ	≤10
Low input signal		VDC	≤0.8
High input signal		VDC	≥3.2
Input signal delay		ms	≥50
NTC probe input			
Terminals			NTC-NTC
Sensor type	•	•	NTC (ordering

code NTC01)





THYRISTOR MODULE, 7.5KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH CURRENT CONTROL

Measuring range		°C	-25+85
Maximum connection lenght		mt	3
Fan power supply		1110	
Terminals			FAN +/-
Supply voltage (internal)			5VDC (provided by DCTL)
Fan type			1 built-in fan type EXP8004
Relay outputs			
Number of relay output		Nr.	1
Contact arrangement			1 C/O-SPDT
Rated current			NO contact: AC1 5A 250VAC / 5A 30VDC NC contact: AC1 3A
			250VAC / 3A 30VDC
UL/CSA and IEC/EN 60947-5-1 designation			D300
Maximum switching voltage		VAC	250
Electrical life (with rated load)		cycles	NO contact: 10x10³ NC contact: 20x10³
Mechanical life		cycles	10 ⁷
Insulations			
Rated insulation voltage Ui IEC/EN		V	480
Rated impulse withstand voltage Uimp		kV	4
Connections - power terminals			
Type of terminal			Fixed - double lock clamp
Conductor cross section			
	min	mm²	2 x 2.5
	Max	mm²	2 x 35
	min Max	AWG	2 x 18
Tightoning torque (Mov)	Max	AWG	2 x 2
Tightening torque (Max)		Nm	4-5
		lbin/lbft	2.95-3.69 lbft
Connections - relay output		IDIII/IDIC	2.55 5.65 IDIT
Type of terminal			Screw
Conductor cross section			
	min	mm²	0.2
	Max	mm²	4
	min	AWG	26
	Max	AWG	10
Tightening torque (Max)			
		Nm	0.8
		lbin	7
Connections - fan and digital input			Сатам
Type of terminal			Screw
Conductor cross section	min	mm²	0.2
	min Max	mm² mm²	0.2 2.5
	min	AWG	2.5 24
	Max	AWG	12
			-



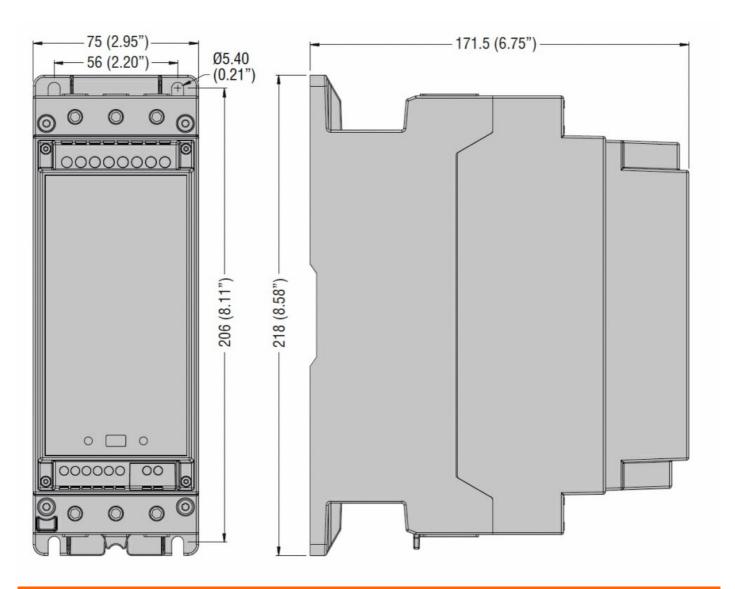


THYRISTOR MODULE, 7.5KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH CURRENT CONTROL

Tightening torque (M	lax)			
			Nm	0.44
			lbin	4
Ambient conditions				
Temperature	O a series to see a series			
	Operating temperature		°C	20
		min	C	-20 +45°C without
				derating (up to
		max	°C	55°C with
				derating)
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80%
Maximum Pollution	degree			2
Overvoltage categor	у			III
Max altitude			m	2000m wihtout
IVIAX AILILUUE			m	derating
Climatic sequence				Z/ABDM (IEC/EN
				60068-2-61)
Shock resistance				15g (IEC/EN
				60068-2-27)
Vibration resistance				0.7g (IEC/EN
Housing				60068-2-6)
Housing				Internal nanal
Execution				Internal panel version
Material				Polycarbonate
Material				Screw fixing or
				DIN-rail (IEC/EN
N.A				60715) with
Mounting				optional
				accessory
				EXP8003
Degree of protection				IP00
Dimensions (W x H :	x D)		mm	75 x 218 x 171.5
Weight			g	1740
Dimensions				

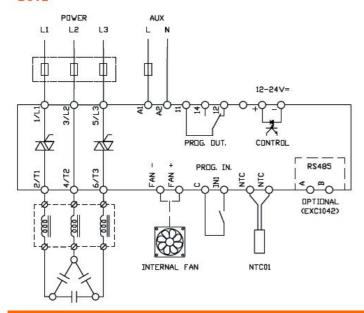
ENERGY AND AUTOMATION

THYRISTOR MODULE, 7.5KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH **CURRENT CONTROL**



Wiring diagrams

DCTL



Certifications and compliance

Compliance



DCTLA4000075

THYRISTOR MODULE, 7.5KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH **CURRENT CONTROL**

IEC/EN 60947-4-3 IEC/EN 61000-6-2 IEC/EN 61000-6-4

Certificates

cULus

ETIM classification

EC002055 -ETIM 8.0 Solid state relay